

Form PTO-1449 (modified)			Application No.:	Not Assigned			
LIST OF PRIOR ART CITED BY APPLICANT			Filing Date:	August 25, 2003			
			First Named Inventor:	Toby R. Thomas			
			Group Art Unit:	Not Assigned			
			Examiner:	Not Assigned			
Sheet 1 of 17			Attorney Docket No.:	47097-00057USPR			
U.S. PATENT DOCUMENTS							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A1	Re. 27,174	09/21/1971	Ausnit	383	35	
	A2	Re. 33,674	08/27/1991	Uramoto			
	A3	Re. 34,554	03/01/1994	Ausnit			
	A4	Re. 34,905	04/18/1995	Ausnit	53	412	
	A5	Re. 34,906	04/18/1995	Tamaki et al.	123	399	
	A6	1,992,152	02/19/1935	Yeates			
	A7	2,064,432	12/15/1936	Keidel			
	A8	2,506,311	05/02/1950	Moore			
	A9	2,560,535	07/17/1951	Allén			
	A10	2,848,031	08/19/1958	Svec et al.			
	A11	2,898,027	08/04/1959	Scholle			
	A12	2,978,769	04/11/1961	Harrah			
	A13	2,994,469	08/01/1961	Troup et al.			
	A14	3,054,434	09/18/1962	Ausnit et al.			
	A15	3,104,798	09/24/1963	Stone			
	A16	3,172,443	03/09/1965	Ausnit			
	A17	3,181,583	05/04/1965	Lingenfelter			
	A18	3,198,228	08/03/1965	Naito			
	A19	3,226,787	01/04/1966	Ausnit			
	A20	3,256,981	06/21/1966	Kurtz			
	A21	3,259,951	07/12/1966	Zimmerman	24	399	
	A22	3,262,634	07/26/1966	Goodwin			
	A23	3,282,493	11/01/1966	Kamins et al.			
	A24	3,313,471	04/11/1967	Dickard et al.			
	A25	3,325,084	06/13/1967	Ausnit			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A26	3,326,399	06/20/1967	Ausnit			
	A27	3,338,285	08/29/1967	Jaster			
	A28	3,339,606	09/05/1967	Kugler			
	A29	3,368,740	02/13/1968	Rohde			
	A30	3,371,696	03/05/1968	Ausnit			
	A31	3,381,592	05/07/1968	Ravel	493	197	
	A32	3,387,640	06/11/1968	Butler			
	A33	3,416,986	12/17/1968	Caricy			
	A34	3,417,675	12/24/1968	Ausnit			
	A35	3,425,469	02/04/1969	Ausnit			
	A36	3,426,396	02/11/1969	Laguerre	24	427	
	A37	3,437,258	04/08/1969	Kugler	229	58	
	A38	3,456,867	07/22/1969	Repko			
	A39	3,460,337	08/12/1969	Field			
	A40	3,462,068	08/19/1969	Suominen			
	A41	3,471,005	10/07/1969	Sexstone			
	A42	3,473,589	10/21/1969	Gotz			
	A43	3,532,571	10/06/1970	Ausnit			
	A44	3,535,409	10/20/1970	Rohde			
	A45	3,543,343	12/01/1970	Staller et al.			
	A46	3,565,147	02/23/1971	Ausnit			
	A47	3,608,439	09/28/1971	Ausnit			
	A48	3,613,524	10/19/1971	Behr	493	214	
	A49	3,619,395	11/09/1971	Skendzic			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
<i>S</i>	A50	3,625,270	12/07/1971	Skendzic			
<i>S</i>	A51	3,633,642	01/11/1972	Siegel			
	A52	3,640,381	02/08/1972	Kanada et al.	229	206	
	A53	3,655,503	04/11/1972	Stanley et al.			
	A54	3,679,511	07/25/1972	Ausnit	156	251	
	A55	3,701,191	10/31/1972	Laguerre	29	768	
	A56	3,701,192	10/31/1972	Laguerre	29	768	
	A57	3,711,011	01/16/1973	Kugler			
	A58	3,722,672	03/27/1973	Ebata			
	A59	3,738,567	06/12/1973	Ruda	383	75	
	A60	3,744,211	07/10/1973	Titchenal et al.	53	459	
	A61	3,746,215	07/17/1973	Ausnit et al.			
	A62	3,780,781	12/25/1973	Uramoto			
	A63	3,785,111	01/15/1974	Pike	53	410	
	A64	3,790,992	02/12/1974	Herz	24	400	
	A65	3,815,317	06/11/1974	Toss	53	451	
	A66	3,817,017	06/18/1974	Titchenal	53	437	
	A67	3,818,963	06/25/1974	Whitman			
	A68	3,827,472	08/06/1974	Uramoto			
	A69	3,839,128	10/01/1974	Arai			
	A70	3,868,891	03/04/1975	Parish	493	194	
	A71	3,903,571	09/09/1975	Howell			
	A72	3,909,887	10/07/1975	Yoshida			
<i>S</i>	A73	3,948,705	04/06/1976	Ausnit			
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U.S. PATENT DOCUMENTS (continued)							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A74	3,953,661	04/27/1976	Gulley			
	A75	3,988,184	10/26/1976	Howard	156	66	
	A76	3,991,801	11/16/1976	Ausnit			
	A77	4,003,972	01/18/1977	Herz			
	A78	4,094,729	06/13/1978	Boccia	156	515	
	A79	4,101,355	07/18/1978	Ausnit	156	66	
	A80	4,112,990	09/12/1978	Anderson			
	A81	4,118,166	10/03/1978	Bartrum			
	A82	4,153,090	05/08/1979	Rifkin			
	A83	4,189,050	02/19/1980	Jensen et al.			
	A84	4,189,809	02/26/1980	Sotos			
	A85	4,191,230	03/04/1980	Ausnit			
	A86	4,196,030	04/01/1980	Ausnit			
	A87	4,212,337	07/15/1980	Kamp			
	A88	4,235,653	11/25/1980	Ausnit			
	A89	4,240,241	12/23/1980	Sanborn, Jr.			
	A90	4,241,865	12/30/1980	Ferrell			
	A91	4,246,288	01/20/1981	Sanborn, Jr.			
	A92	4,249,982	02/10/1981	Ausnit			
	A93	4,252,238	02/24/1981	Spiegelberg et al.			
	A94	4,277,241	07/07/1981	Schulze	493	196	
	A95	4,279,677	07/21/1981	Takahashi			
	A96	4,285,376	08/25/1981	Ausnit			
	A97	4,295,919	10/20/1981	Sutrina et al.			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A98	4,309,233	01/05/1982	Akashi			
	A99	4,341,575	07/27/1982	Herz	156	66	
	A100	4,355,494	10/26/1982	Tilman	53	416	
	A101	4,363,345	12/14/1982	Scheibner			
	A102	4,372,793	02/08/1983	Herz	156	66	
	A103	4,379,806	04/12/1983	Korpman			
	A104	4,415,386	11/15/1983	Fernell et al.	493	213	
	A105	4,419,159	12/06/1983	Herrington			
	A106	4,428,477	01/31/1984	Cristofolo			
	A107	4,428,788	01/31/1984	Kamp			
	A108	4,430,070	02/07/1984	Ausnit			
	A109	4,437,293	03/20/1984	Sanborn, Jr.			
	A110	4,446,088	05/01/1984	Daines	264	155	
	A111	4,490,959	01/01/1985	Lems	53	459	
	A112	4,497,678	02/05/1985	Nussbaum			
	A113	4,498,939	02/12/1985	Johnson			
	A114	4,514,962	05/07/1985	Ausnit	53	457	
	A115	4,515,647	05/07/1985	Behr			
	A116	4,517,788	05/21/1985	Scheffers	53	459	
	A117	4,518,087	05/21/1985	Goglio			
	A118	4,522,305	06/11/1985	Jacobsson			
	A119	4,528,224	07/09/1985	Ausnit			
	A120	4,540,537	09/10/1985	Kamp			
	A121	4,555,282	11/26/1985	Yano			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
<i>JS</i>	A122	4,561,109	12/24/1985	Herrington			
<i>JS</i>	A123	4,563,319	01/07/1986	Ausnit et al.	264	146	
<i>JS</i>	A124	4,573,203	02/25/1986	Peppiatt			
	A125	4,581,006	04/08/1986	Hugues et al.	493	213	
	A126	4,582,549	04/15/1986	Farrell			
	A127	4,584,201	04/22/1986	Boston			
	A128	4,586,319	05/06/1986	Ausnit	53	468	
	A129	4,589,145	05/13/1986	Van Erden et al.			
	A130	4,601,694	07/22/1986	Ausnit			
	A131	4,602,405	07/29/1986	Sturman et al.			
	A132	4,612,153	09/16/1986	Mangla	264	154	
	A133	4,615,083	10/07/1986	Mayerhofer			
	A134	4,617,683	10/14/1986	Christoff			
	A135	4,620,320	10/28/1986	Sullivan	383	203	
	A136	4,638,913	01/27/1987	Howe, Jr.			
	A137	4,646,511	03/03/1987	Boeckmann et al.	53	551	
	A138	4,651,504	03/24/1987	Bentsen	53	452	
	A139	4,652,496	03/24/1987	Yasufuku et al.	428	425.9	
	A140	4,654,878	03/31/1987	Lems	383	37	
	A141	4,655,862	04/07/1987	Christoff et al.	156	66	
	A142	4,656,075	04/07/1987	Mudge			
	A143	4,663,915	05/12/1987	Van Erden et al.	53	450	
	A144	4,664,649	05/12/1987	Johnson et al.			
<i>JS</i>	A145	4,665,552	05/12/1987	Lems et al.	383	37	
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**U.S. PATENT DOCUMENTS (continued)**

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
S	A146	4,665,557	05/12/1987	Kamp	383	63	
G	A147	4,666,536	05/19/1987	Van Erden et al.			
	A148	4,673,383	06/16/1987	Bentsen			
	A149	4,682,366	07/21/1987	Ausnit et al.			
	A150	4,691,372	09/01/1987	Van Erden	383	63	
	A151	4,698,118	10/06/1987	Takahashi et al.			
	A152	4,703,518	10/27/1987	Ausnit	383	63	
	A153	4,709,398	11/24/1987	Ausnit	383	63	
	A154	4,709,533	12/01/1987	Ausnit			
	A155	4,710,157	12/01/1987	Posey	493	213	
	A156	4,713,839	12/15/1987	Peppiatt			
	A157	4,736,450	04/05/1988	Van Erden et al.			
	A158	4,736,451	04/05/1988	Ausnit			
	A159	4,744,674	05/17/1988	Nocek			
	A160	4,755,247	07/05/1988	Mudge			
	A161	4,755,248	07/05/1988	Geiger et al.			
	A162	4,782,951	11/08/1988	Griesbach et al.			
	A163	4,786,190	11/22/1988	Van Erden et al.			
	A164	4,787,880	11/29/1988	Ausnit	493	213	
	A165	4,790,126	12/13/1988	Boeckmann	53	451	
	A166	4,791,710	12/20/1988	Nocek et al.			
	A167	4,792,240	12/20/1988	Ausnit	383	63	
S	A168	4,807,300	02/21/1989	Ausnit et al.	383	65	
	A169	4,812,074	03/14/1989	Ausnit et al.	493	213	
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U.S. PATENT DOCUMENTS (continued)							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A170	4,817,188	03/28/1989	Van Erden			
	A171	4,832,505	05/23/1989	Ausnit et al.			
	A172	4,835,835	06/06/1989	Gould			
	A173	4,840,012	06/20/1989	Boeckmann	53	410	
	A174	4,840,611	06/20/1989	Van Erden et al.	493	213	
	A175	4,844,759	07/04/1989	Boeckmann	156	66	
	A176	4,846,585	07/11/1989	Boeckmann et al.			
	A177	4,848,064	07/18/1989	Lems et al.	53	459	
	A178	4,850,178	07/25/1989	Ausnit	53	570	
	A179	4,855,168	08/08/1989	Imazumi			
	A180	4,863,285	09/05/1989	Claxton	383	37	
	A181	4,875,587	10/24/1989	Lulham et al.			
	A182	4,876,842	10/31/1989	Ausnit	53	410	
	A183	4,877,336	10/31/1989	Peppiatt			
	A184	4,878,987	11/07/1989	Van Erden	156	519	
	A185	4,889,731	12/26/1989	Williams, Jr.			
	A186	4,890,935	01/02/1990	Ausnit et al.			
	A187	4,892,414	01/09/1990	Ausnit	383	63	
	A188	4,892,512	01/09/1990	Branson	493	194	
	A189	4,894,975	01/23/1990	Ausnit	53	412	
	A190	4,895,198	01/23/1990	Samuelson			
	A191	4,902,140	02/20/1990	Branson			
	A192	4,909,017	03/20/1990	McMahon et al.	53	410	
	A193	4,923,309	05/08/1990	Van Erden			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
(S)	A194	4,924,655	05/15/1990	Posey	53	133.2	
(P)	A195	4,925,316	05/15/1990	Van Erden et al.			
(S)	A196	4,925,318	05/15/1990	Sorensen			
	A197	4,929,225	05/29/1990	Ausnit et al.	493	213	
	A198	4,941,307	07/17/1990	Wojcik	53	412	
	A199	4,944,409	07/31/1990	Busche et al.			
	A200	4,945,714	08/07/1990	Bodolay et al.	53	568	
	A201	4,947,525	08/14/1990	Van Erden			
	A202	4,969,309	11/13/1990	Schwarz et al.	53	412	
	A203	4,969,967	11/13/1990	Sorensen et al.			
	A204	4,971,454	11/20/1990	Branson et al.			
	A205	4,974,395	12/04/1990	McMahon	53	551	
	A206	4,993,212	02/19/1991	Veoukas	53	451	
	A207	5,005,707	04/09/1991	Hustad et al.	383	210	
	A208	5,007,142	04/16/1991	Herrington			
	A209	5,007,143	04/16/1991	Herrington			
	A210	5,010,627	04/30/1991	Herrington et al.			
	A211	5,014,498	05/14/1991	McMahon	53	451	
	A212	5,017,021	05/21/1991	Simonsen et al.			
	A213	5,020,194	06/04/1991	Herrington et al.			
	A214	5,022,530	06/11/1991	Zicke			
	A215	5,023,122	06/11/1991	Boeckmann et al.			
	A216	5,024,537	06/18/1991	Tilman	383	63	
(S)	A217	5,027,584	07/02/1991	McMahon et al.	53	451	
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A218	5,033,868	07/23/1991	Peppiatt			
	A219	5,035,517	07/30/1991	Edelman	53	133.4	
	A220	5,036,643	08/06/1991	Bodolay	53	128.1	
	A221	5,042,224	08/27/1991	McMahon	53	133.4	
	A222	5,046,300	09/10/1991	Custer et al.	53	412	
	A223	5,063,069	11/05/1991	Van Erden et al.			
	A224	5,063,639	11/12/1991	Boeckmann et al.	24	30.5 R	
	A225	5,063,644	11/12/1991	Herrington et al.			
	A226	5,065,899	11/19/1991	Tilman			
	A227	5,066,444	11/19/1991	Behr			
	A228	5,067,208	11/26/1991	Herrington et al.			
	A229	5,067,822	11/26/1991	Wirth et al.			
	A230	5,070,583	12/10/1991	Herrington			
	A231	5,071,689	12/10/1991	Tilman	428	121	
	A232	5,072,571	12/17/1991	Boeckmann	53	133.4	
	A233	5,085,031	02/04/1992	McDonald	53	412	
	A234	5,088,971	02/18/1992	Herrington			
	A235	5,092,684	03/03/1992	Weeks			
	A236	5,092,831	03/03/1992	James et al.			
	A237	5,096,516	03/17/1992	McDonald et al.	156	66	
	A238	5,100,246	03/31/1992	La Pierre et al.			
	A239	5,105,603	04/21/1992	Natterer	53	412	
	A240	5,107,658	04/28/1992	Hustad et al.	53	408	
	A241	5,111,643	05/12/1992	Hobock	53	551	
EXAMINER			DATE CONSIDERED				

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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
<i>VJS</i>	A242	5,112,138	05/12/1992	Peppiatt			
<i>VJS</i>	A243	5,116,301	05/26/1992	Robinson et al.			
	A244	5,121,997	06/16/1992	La Pierre et al.			
	A245	5,127,208	07/07/1992	Custer et al.	53	412	
	A246	5,129,734	07/14/1992	Van Erden			
	A247	5,131,121	07/21/1992	Herrington et al.			
	A248	5,147,272	09/15/1992	Richison et al.	493	195	
	A249	5,152,613	10/06/1992	Herrington, Jr.			
	A250	5,161,286	11/10/1992	Herrington, Jr. et al.			
	A251	5,167,608	12/01/1992	Steffens, Jr. et al.	493	214	
	A252	5,179,816	01/19/1993	Wojnicki	53	133.4	
	A253	5,186,543	02/16/1993	Cochran			
	A254	5,188,461	02/23/1993	Sorensen	383	210.1	
	A255	5,189,764	03/02/1993	Herrington et al.			
	A256	5,198,055	03/30/1993	Wirth et al.			
	A257	5,209,574	05/11/1993	Tilman	383	63	
	A258	5,211,482	05/18/1993	Tilman			
	A259	5,224,779	07/06/1993	Thompson et al.			
	A260	5,247,781	09/28/1993	Runge	53	412	
	A261	5,254,073	10/19/1993	Richison et al.	493	195	
	A262	5,259,904	11/09/1993	Ausnit	156	244.15	
	A263	5,273,511	12/28/1993	Boeckman	493	195	
	A264	5,283,932	02/08/1994	Richardson et al.			
	A265	5,301,394	04/12/1994	Richardson et al.			
<i>NJS</i>				DATE CONSIDERED			

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			Group Art Unit:	Not Assigned			
			Examiner:	Not Assigned			
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A266	5,301,395	04/12/1994	Richardson et al.			
	A267	5,322,579	06/21/1994	Van Erden	156	66	
	A268	5,334,127	08/02/1994	Bruno et al.	493	194	
	A269	5,366,294	11/22/1994	Wirth et al.			
	A270	5,383,989	01/24/1995	McMahon	156	66	
	A271	5,391,136	02/21/1995	Makowka	493	210	
	A272	5,400,565	03/28/1995	Terminella et al.	53	133.4	
	A273	5,400,568	03/28/1995	Kanemitsu et al.	53	412	
	A274	5,403,094	04/04/1995	Tomic	383	63	
	A275	5,405,478	04/11/1995	Richardson et al.			
	A276	5,405,629	04/11/1995	Marnocha et al.	426	122	
	A277	5,412,924	05/09/1995	Ausnit	53	412	
	A278	5,415,904	05/16/1995	Takubo et al.	428	35.2	
	A279	5,425,216	06/20/1995	Ausnit	53	410	
	A280	5,425,825	06/20/1995	Rasko et al.			
	A281	5,426,830	06/27/1995	Richardson et al.			
	A282	5,431,760	07/11/1995	Donovan			
	A283	5,435,864	07/25/1995	Machacek et al.			
	A284	5,442,837	08/22/1995	Morgan			
	A285	5,442,838	08/22/1995	Richardson et al.			
	A286	5,448,807	09/12/1995	Herrington et al.			
	A287	5,448,808	09/12/1995	Gross			
	A288	5,456,928	10/10/1995	Hustad et al.			
	A289	5,461,845	10/31/1995	Yeager	53	451	
EXAMINER			DATE CONSIDERED				

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U.S. PATENT DOCUMENTS (continued)							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A290	5,470,156	11/28/1995	May	383	210	
	A291	5,482,375	01/09/1996	Richardson et al.			
	A292	5,486,051	01/23/1996	May			
	A293	5,489,252	02/06/1996	May	383	210	
	A294	5,492,411	02/20/1996	May	383	5	
	A295	5,505,037	04/09/1996	Terminella et al.	53	133.4	
	A296	5,509,735	04/23/1995	May	383	210	
	A297	5,511,884	04/30/1996	Bruno et al.	383	63	
	A298	5,513,915	05/07/1996	May			
	A299	5,519,982	05/28/1996	Herber et al.	53	412	
	A300	5,525,363	06/11/1996	Herber et al.	426	130	
	A301	5,542,902	08/06/1996	Richison et al.	493	195	
	A302	5,551,127	09/03/1996	May	24	305	
	A303	5,551,208	09/03/1996	Van Erden	53	139.2	
	A304	5,552,202	09/03/1996	May	428	43	
	A305	5,557,907	09/24/1996	Malin et al.	53	139.2	
	A306	5,558,613	09/24/1996	Tilman et al.	493	214	
	A307	5,561,966	10/08/1996	English	53	412	
	A308	5,564,259	10/15/1996	Stolmeier	53	410	
	A309	5,573,614	11/12/1996	Tilman et al.	156	66	
	A310	5,582,853	12/10/1996	Mannocha et al.	426	122	
	A311	5,592,802	01/14/1997	Malin et al.	53	133.4	
	A312	5,613,934	03/25/1997	May	493	214	
	A313	5,622,431	04/22/1997	Simonsen	383	63	
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<b>U.S. PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
	A314	5,625,927	05/06/1997	Chu			
	A315	5,628,566	05/13/1997	Schreiter	383	63	
	A316	5,638,586	06/17/1997	Malin et al.	24	587	
	A317	5,647,671	07/15/1997	May	383	210	
	A318	5,664,299	09/09/1997	Porchia et al.			
	A319	5,669,715	09/23/1997	Dobreski et al.			
	A320	5,681,115	10/28/1997	Diederich et al.			
	A321	5,682,730	11/04/1997	Dobreski			
	A322	5,704,192	01/06/1998	Jostler et al.	53	384.1	
	A323	5,711,751	01/27/1998	Harmanoglu	493	224	
	A324	5,713,669	02/03/1998	Thomas et al.	383	204	
	A325	5,725,312	03/10/1998	May	383	210	
	A326	5,769,772	06/23/1998	Wiley	493	189	
	A327	5,775,812	07/07/1998	St. Phillips et al.	383	5	
	A328	5,776,045	07/07/1998	Bodolay et al.	493	215	
	A329	5,782,733	07/21/1998	Yeager	493	213	
	A330	5,788,378	08/04/1998	Thomas	383	63	
	A331	5,823,933	10/20/1998	Yeager	493	213	
	A332	5,833,791	11/10/1998	Bryniarski et al.	156	244.25	
	A333	5,873,969	02/23/1999	Keith et al.	156	91	
	A334	5,906,438	05/25/1999	Laudenberg	383	63	
	A335	5,911,508	06/15/1999	Dobreski et al.	383	5	
	A336	5,924,173	07/20/1999	Dobreski et al.	24	400	
	A337	5,938,337	08/17/1999	Provan et al.	383	5	
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>				

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<b>U.S. PATENT DOCUMENTS (continued)</b>								
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)	
<i>TS</i>	A338	5,956,924	09/28/1999	Thieman	53	412		
<i>SP</i>	A339	5,964,532	10/12/1999	St. Phillips et al.	383	5		
<i>SP</i>	A340	6,000,197	12/14/1999	Ausnit	53	412		
	A341	6,017,412	01/25/2000	Van Erden et al.	53	133.4		
	A342	6,044,621	04/04/2000	Malin et al.	53	412		
	A343	6,088,998	07/18/2000	Malin et al.	53	133.4		
	A344	6,131,369	10/17/2000	Ausnit	53	412		
	A345	6,131,374	10/17/2000	Bois	53	139.2		
	A346	6,138,436	10/31/2000	Malin et al.	53	133.4		
	A347	6,138,439	10/31/2000	McMahon et al.	53	412		
	A348	6,161,271	12/19/2000	Schreiter	29	408		
	A349	6,212,857	04/10/2001	Van Erden	53	412		
	A350	6,216,423	04/17/2001	Thieman	53	412		
	A351	6,279,298	08/28/2001	Thomas et al.	53	412		
	A352	6,286,189	09/11/2001	Provan et al.	24	30.5 R		
	A353	6,286,999	09/11/2001	Cappel et al.	383	5		
	A354	6,289,561	09/18/2001	Provan et al.	24	415		
	A355	6,292,986	09/25/2001	Provan et al.	24	415		
	A356	6,293,896	09/25/2001	Buchman	493	213		
	A357	6,327,754	12/11/2001	Belmont et al.	24	400		
	A358	6,347,437	02/19/2002	Provan et al.	24	400		
	A359	6,360,513	03/26/2002	Strand et al.	53	412		
<i>TS</i>	A360	6,363,692	04/02/2002	Thieman	53	412		
<i>TS</i>	A361	6,412,254	07/02/2002	Tilman et al.	53	412		
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**U.S. PATENT DOCUMENTS (continued)**

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
S	A362	6,419,391	07/16/2002	Thomas	383	5	
S	A363	6,427,421	08/06/2002	Belmont et al.	53	412	
S	A364	6,439,770	08/27/2002	Catchman	383	5	
	A365	6,470,551	10/29/2002	Provan et al.	29	408	
S	A366	6,499,272	12/31/2002	Thierman	53	412	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
S	B1	EP 0 109 793	05/30/1984	EP			
S	B2	EP 0 239 319	09/05/1990	EP			
	B3	EP 0 276 554	08/03/1988	EP			
	B4	EP 0 302 144	02/08/1989	EP			
	B5	EP 0 374 539	08/25/1993	EP			
S	B6	EP 0 939 034 A1	09/01/1999	EP	B65B	61/18	N/A
S	B7	EP 0 978 450 A1	02/09/2000	EP	B65B	9/20	N/A
S	B8	EP 1 026 077 A2	08/09/2000	EP	B65B	9/08	N/A
S	B9	FR 1 350 126	12/16/1963	France			
S	B10	FR 2 613 326	10/07/1988	France			
S	B11	JP 57 105248	12/22/1980	Japan			
	B12	GB 1 546 433	05/23/1979	UK			
	B13	GB 2 080 412	02/03/1982	UK			
	B14	GB 2 085 519	04/28/1982	UK	A44B	19/62	
	B15	GB 2 130 173	05/31/1984	UK			
S	B16	GB 2 268 721	01/19/1994	UK			

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<b>FOREIGN PATENT DOCUMENTS (continued)</b>							
Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
	B17	GB 2 268 731	01/19/1994	UK			
	B18	WO 95/29604	11/09/1995	WIPO			
	B19	WO 95/35046	12/28/1995	WIPO			
	B20	WO 95/35047	12/28/1995	WIPO			
	B21	WO 95/35048	12/28/1995	WIPO			
	B22	WO 99/24325	05/20/1999	WIPO	B65B	61/18	
<b>OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)</b>							
Examiner Initial	Ref.	Document Information					
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>					

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